

- FULL BLOWN CLEAN AND TUNING OF THE FLARE.
- INCLUDES PREVENTATIVE MAINT AS RECOMMENDED BY THE MANUFACTURER AND OPERATIONAL PERFORMANCE TESTING ON COMPONENTS (VALVES, SENSORS, LOUVERS, ETC).
- NOVEMBER 3
 - TAKE DELIVERY, FINISH TESTING, AND INSPECTION OF INFLATABLE BLADDERS FROM MANUFACTURER. VERIFY COMPLIANCE WITH SPECIFICATIONS.
- NOVEMBER 5
 - TRAVEL DAY FOR ALL (BIG OX, MM WATERJET, AND SPECTRUM). CONTACT SSC FIRE DEPARTMENT AND INVITE THEM TO STANDBY ON TUESDAY.
- NOVEMBER 5 LATE DAY
 - ARRIVE ON SITE AND DROP OFF EQUIPMENT. PLAN FOR THE NEXT DAY
 - SETUP AIR TRAILER, AND WATER JET PUMP TRAILER. STAGE SAFETY EQUIPMENT.
 - CONDUCT SAFETY TRAINING WITH ALL CONTRACTORS
- NOVEMBER 6
- 7 AM
- CONDUCT A SAFETY MEETING ON SITE WITH TED SOMMER FROM BIG OX ENERGY. SAFETY MEETING TO INCLUDE ENTIRE PLANT STAFF (AWARENESS, EMERGENCY PROCEDURES, EVAC/SHUTDOWN).
- START FLARE AND SHUT DOWN GAS CLEAN UP SKID AND SET UP ALL SAFETY DEVICES
 - FOLLOW NORMAL SOP FOR GAS SKID SHUT DOWN.
 - PERFORM FLARE ADJUSTMENT AND SET PRESSURE TO 2" WC.
 - MONITOR DIGESTER PRESSURE AND VERIFY PRESSURE REACHES SET POINT (2").
 - MANIPULATE PRESSURE TO SIMULATE PRESSURE CHANGES AND ASSURE PROPER RESPONSIVENESS OF FLARE; ATTEMPT TO CREATE FAULT TO ASSURE PROPER FLARE OPERATION.
 - IN THE EVENT OF COMPLETE FLARE FAILURE DURING TESTING, WORK
 - WILL BE SUSPENDED AND FAILURE WILL BE REMEDIED.
 IN THE EVENT OF COMPLETE FLARE FAILURE DURING WORK, GAS SKID WILL BE MOVED FROM STANDBY TO FULL OPERATION TO PROCESS GAS. SKID IS CAPABLE OF MAINTAINING 5" WC OR LESS).
- CONTACT SSC FIRE DEPARTMENT TO UPDATE PROGRESS.
- MOBILIZE WATER JET EQUIPMENT TO ROOF.
- SET UP ANTICIPATED HOT ZONE.
- STAGE SUPPLIED AIR RESPIRATORS, PROTECTIVE SUITS, GLOVES, ETC.
 - ENSURE 100% MONITORING OF FLARE & GAS SKID.
 - VERIFY PROPER OPERATION OF ALL AREA MONITORING EQUIPMENT

NOVEMBER 6 (CON'T)

- 8AM

- MM WATERJET START BLOWING OUT JOINT (ESTIMATED 5 HOURS) THE REST OF THE TEAM SUPPLY SUPPORT AND CLEAN UP.
- TWO STANDBY PERSONNEL IN PPE AND RESPIRATORS IMMEDIATELY OUTSIDE THE HOT ZONE.
- START WITH SOUTH END OF THE JOINT AND WORK TOWARDS THE NORTH TO PUSH ANY DEBRIS INTO CONTAINMENT AREA.
- WATER JET EQUIPMENT SHALL BE INTRINSICALLY SAFE (NON-RATED PUMP AND HEAT IS ON TRAILER, OUTSIDE OF SAFETY ZONE).
- SEE SAFETY PLAN FOR OTHER CONTROLS.

_ 1PM

- FINISH WATER BLASTING AND CLEAN UP DEBRIS.
- INSPECT QUALITY OF JOINT SURFACES AND THOROUGHNESS OF CLEANING USE RATED FLASHLIGHTS.
- DEMOBILIZE MM WATERJET.

- 2PM- 6PM

- INSTALL THE INFLATABLE BLADDER AND PRESSURIZE USING NITROGEN WITH AN APPROPRIATELY SET REGULATOR TO ENSURE A MAXIMUM PRESSURE OF 5PSIG (BLADDERS ARE RATED TO 30PSIG).
- FILLING WILL STOP WHEN BIOGAS IS EFFECTIVELY CONTAINED AND LEAKING STOPS
- CHECK FOR LEAKS AND INSTALL OAKUM AS NEEDED TO STOP SMALL LEAKS.
 - VERIFY SEAL THROUGH BOTH VISUAL, TACTILE CHECK, AND GAS DETECTION
 CHECK
 - ANY LEAKS TO BE SEALED WITH OAKUM AND A PROPERLY RATED SEALANT
- A SECOND COMPLETE BLADDER IS ON HAND IN CASE OF FAILURE OF THE FIRST.
- FOUR 2' BLADDERS ARE ON HAND FOR BACKUP IF NEEDED TO DOUBLE SEAL TROUBLE AREAS AS NEEDED
- TEAM MEETING TO VERIFY ADHERENCE TO WORK PLAN AND ADDRESS ANY OBSERVED ISSUES.
 - DECISION POINT EITHER ADJOURN FOR THE NIGHT (BASED ON WEATHER
 - AND DAYLIGHT) OR CONTINUE WITH POLYUREA INJECTION.
 EXTERIOR FLOOD LIGHTING IS ON STANDBY IN THE EVENT THAT WORK PROCEEDS PAST DUSK.
- NOVEMBER 7

- 7AM

- TOOL BOX TALK FOR THE DAY.
- VERIFY CONTINUED PERFORMANCE OF BLADDERS; INSPECT; TEST FOR LEAKS.

- 7:15AM -12PM

• SPECTRUM TO MIX AND SPRAY/ INJECT THE POLYUREA AND LET CURE.

- 1PM-3PM

- MONITOR JOINT AND CHECK FOR LEAKS.
- PERFORM VISUAL INSPECTION.
- PERFORM SNIFFER TEST WITHIN 1" OF JOINT TO TEST FOR LEAKS OF: CH4, CO, CO2, H2S, O2

- 4PM

- START-UP GAS CLEAN UP SYSTEM, AND SHUT DOWN FLARE
- RE-INSPECT; PERFORM SNIFFER TEST WITHIN 1" OF JOINT TO TEST FOR LEAKS OF: CH4, CO, CO2, H2S, O2.
- DEMOBILIZE BOE AND SPECTRUM.

DATE TO BE DETERMINED

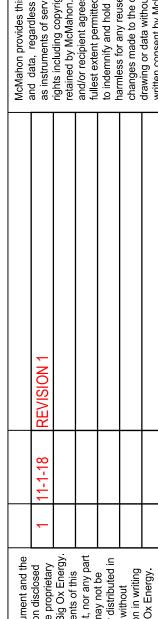
 ROOFING CONTRACTOR TO REPAIR FOAM INSULATION AND RUBBER ROOFING MEMBRANE (DOES NOT IMPACT INTEGRITY OF THE CONTROL JOINT).

-SOFFIT REPAIR (AESTHETIC REPAIR).

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RENEWABLE NATURAL GAS FACILITY KENERGY DAKOTA CITY NEBRASKA 6

DESIGNED DRAW
PEB GYV
PROJECT NO.

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